

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P847666

Luminaire Tested: **GLAN-SB3D-840-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847666  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3D-840-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26904 lumens  
Efficiency: N/A  
Efficacy: 123.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

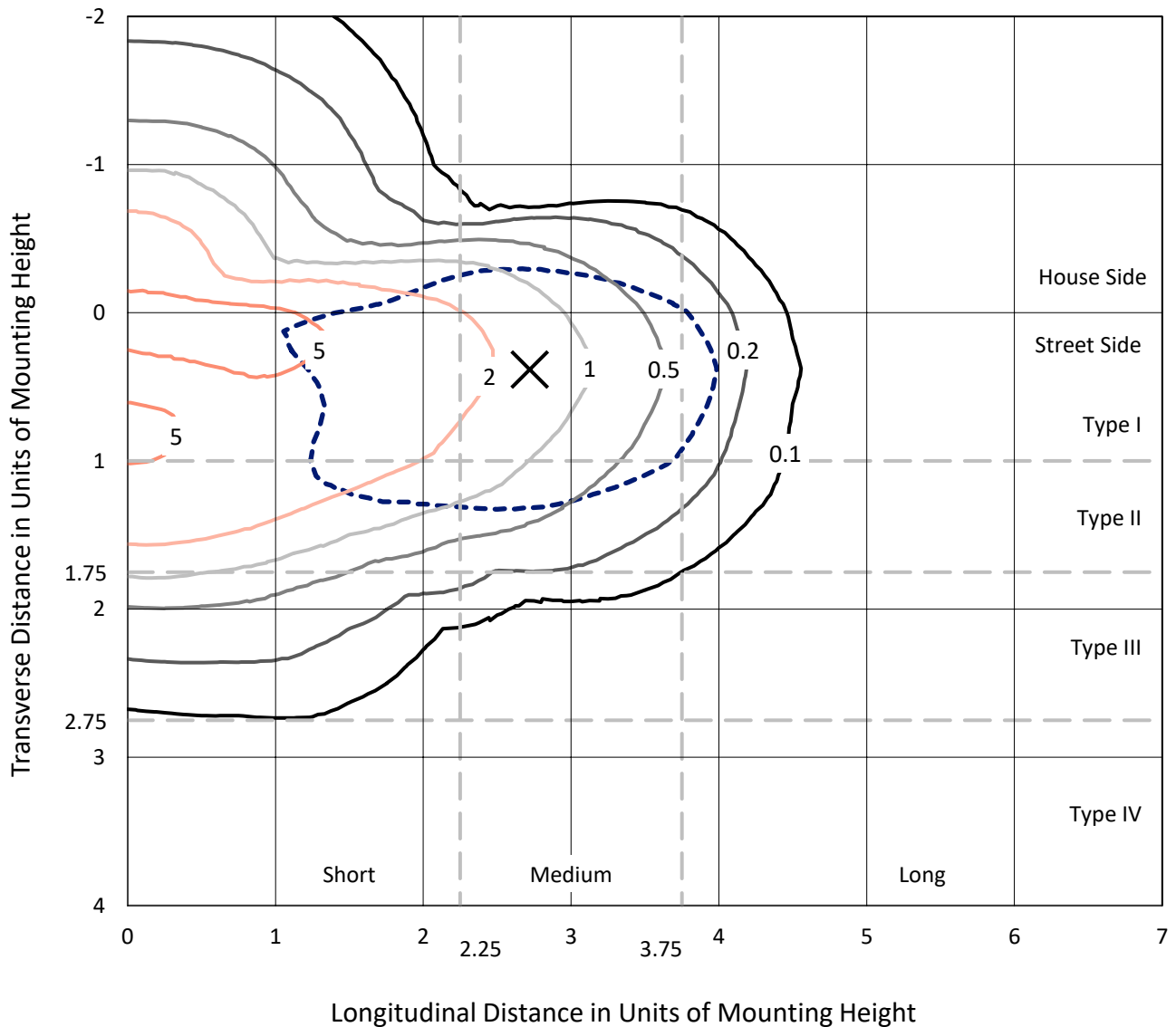
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

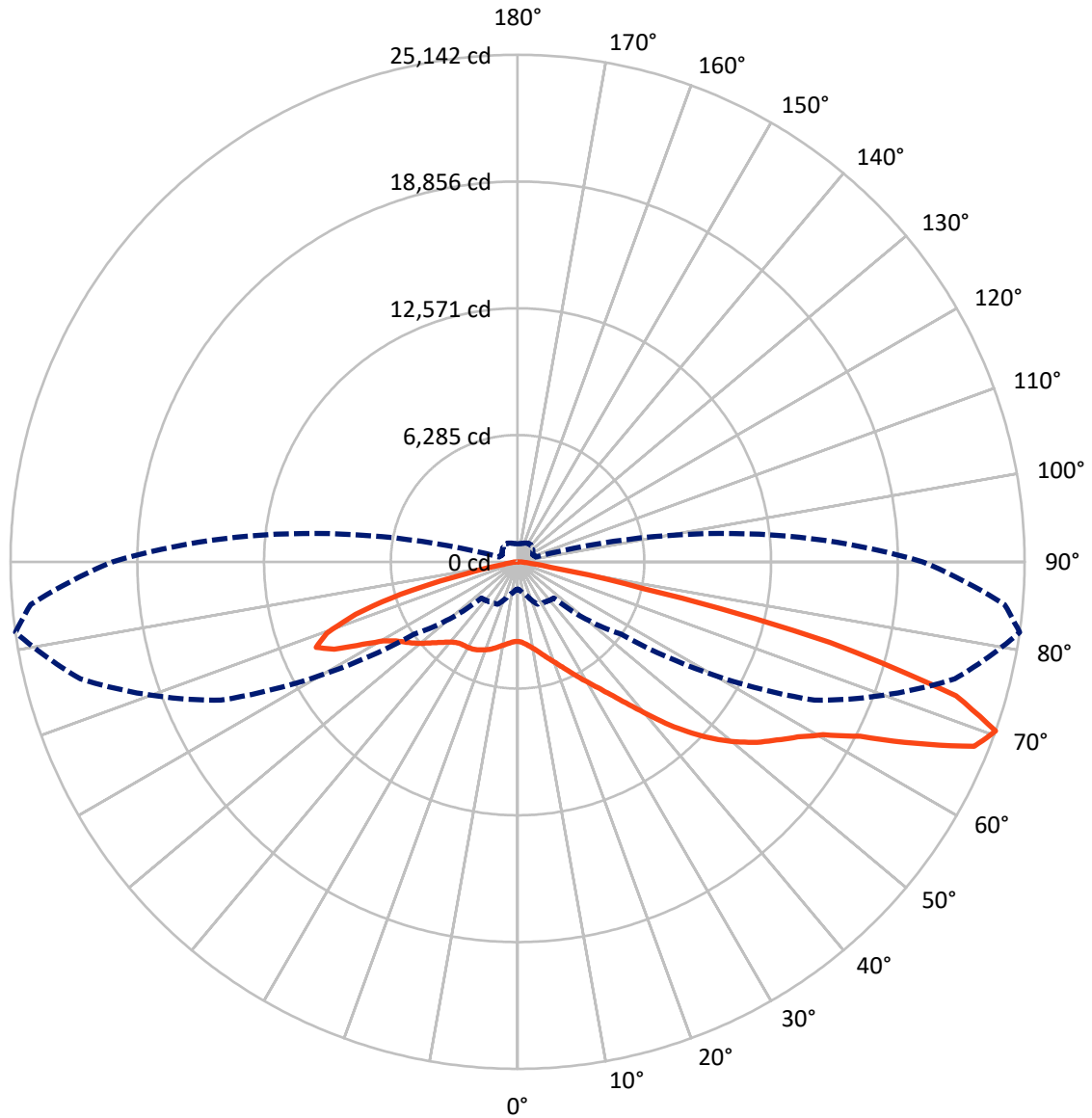
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6632.5	0.0	6632.5
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	20271.5	0.0	20271.5
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	26904.0	0.0	26904.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.4	1.4
10°-20°	1070.0	4.0
20°-30°	1790.0	6.7
30°-40°	2796.5	10.4
40°-50°	4453.7	16.6
50°-60°	6197.9	23.0
60°-70°	6483.2	24.1
70°-80°	3388.5	12.6
80°-90°	351.9	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	26904.0	100.0
0°-180°	26904.0	100.0

**Coefficient of Utilization**



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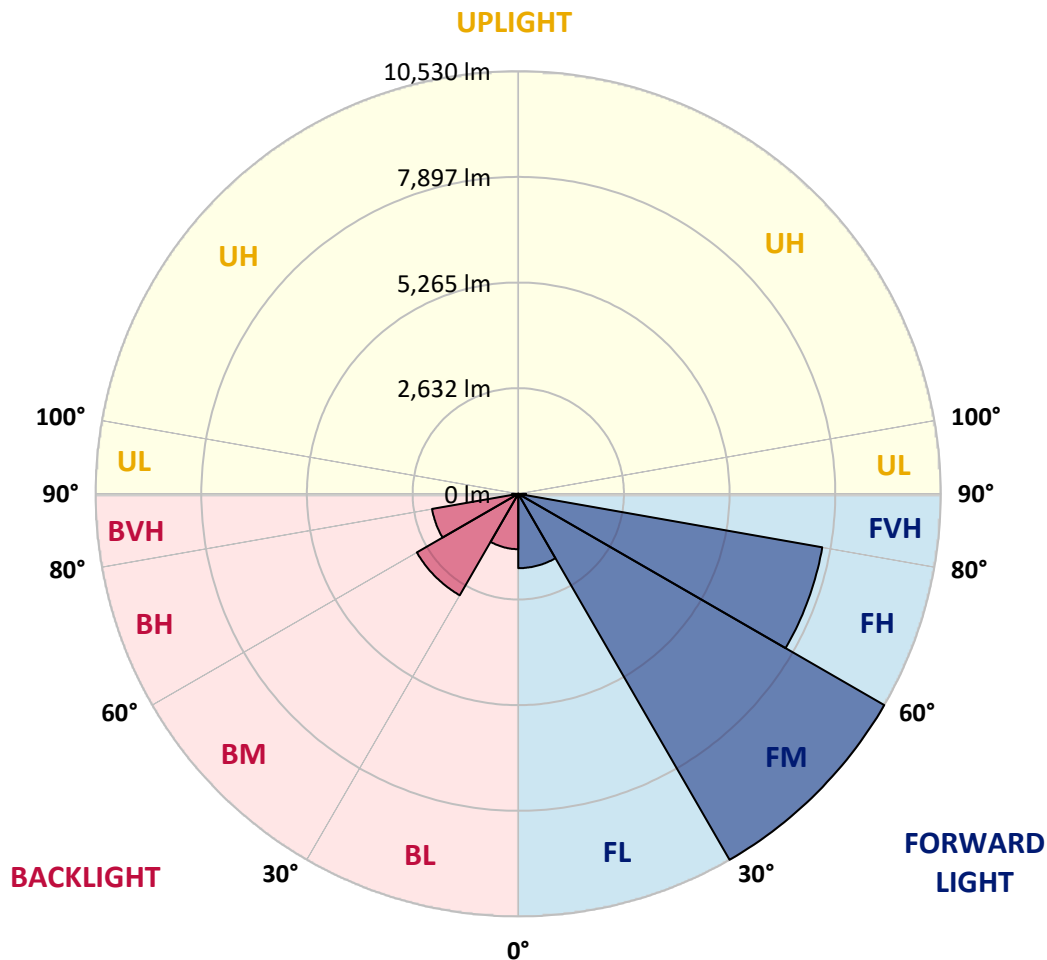
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1852.6	6.9			
FM (30°-60°)	10530.0	39.1			
FH (60°-80°)	7691.9	28.6			G4/12000
FVH (80°-90°)	197.0	0.7			G2/225
BL (0°-30°)	1379.8	5.1	B3/2500		
BM (30°-60°)	2918.0	10.8	B3/5000		
BH (60°-80°)	2179.8	8.1	B3/2500		G3/2500
BVH (80°-90°)	154.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3944.5	3944.5	3944.5	3944.5	3944.5	3944.5	3944.5	3944.5	3944.5	3944.5
2.5°	4038.7	4061.5	4054.4	4047.3	4047.3	4037.3	4035.8	4021.6	4010.1	3991.6
5°	4090.1	4114.3	4111.5	4117.2	4135.8	4140.0	4144.3	4135.8	4112.9	4090.1
7.5°	4044.4	4071.5	4080.1	4114.3	4171.5	4222.8	4261.4	4277.1	4255.7	4222.8
10°	3890.2	3920.2	3950.2	4031.5	4132.9	4254.3	4357.0	4418.4	4414.1	4382.7
12.5°	3577.6	3609.0	3673.2	3831.7	4017.3	4231.4	4422.7	4551.2	4595.4	4572.6
15°	3327.7	3354.9	3403.4	3566.1	3807.4	4132.9	4447.0	4696.8	4809.6	4796.7
17.5°	3320.6	3332.0	3362.0	3439.1	3624.7	3978.7	4421.3	4839.6	5055.1	5053.7
20°	3446.2	3450.5	3467.6	3483.3	3589.0	3861.7	4355.6	4958.1	5330.7	5330.7
22.5°	3620.4	3617.5	3634.7	3620.4	3671.8	3851.7	4314.2	5062.3	5637.6	5660.4
25°	3881.6	3867.4	3863.1	3830.3	3840.2	3944.5	4359.9	5180.8	6001.6	6048.7
27.5°	4230.0	4207.1	4191.4	4115.8	4090.1	4135.8	4499.8	5323.5	6407.1	6488.4
30°	4684.0	4642.6	4619.7	4488.4	4395.6	4402.7	4711.1	5513.4	6831.1	6962.4
32.5°	5303.5	5239.3	5177.9	4962.3	4792.5	4736.8	4983.8	5776.1	7290.8	7500.6
35°	5997.4	5946.0	5880.3	5547.7	5286.4	5157.9	5352.1	6143.0	7829.0	8161.6
37.5°	6665.5	6621.2	6652.6	6204.4	5867.4	5680.4	5834.6	6635.5	8492.8	8983.9
40°	7356.4	7322.2	7326.5	6898.2	6505.6	6295.7	6419.9	7253.6	9253.7	9961.8
42.5°	8107.3	8081.7	7996.0	7616.3	7175.1	6979.5	7093.8	7967.4	10070.3	11075.3
45°	8948.2	8932.5	8852.6	8417.1	7911.8	7691.9	7846.1	8755.5	10891.2	12123.2
47.5°	9674.9	9687.7	9677.7	9310.8	8786.9	8464.2	8648.4	9577.8	11654.9	13108.2
50°	10024.6	10091.7	10190.2	10076.0	9750.5	9422.2	9457.9	10371.5	12383.0	14031.9
52.5°	9841.9	9968.9	10237.3	10420.1	10545.7	10477.2	10381.5	11159.6	13068.3	14865.6
55°	9160.9	9339.4	9784.8	10225.9	10866.9	11365.1	11490.8	12033.3	13736.4	15599.4
57.5°	7920.3	8210.1	8609.9	9502.1	10581.4	11794.8	12784.2	13245.3	14444.5	16383.2
60°	5793.2	6181.5	6678.3	8006.0	9582.1	11565.0	13884.9	15106.9	15450.9	17398.2
62.5°	3707.5	3947.3	4404.2	5654.7	7466.4	10387.2	14221.8	17433.9	17156.9	19062.8
65°	2538.3	2692.5	3110.7	3813.1	4826.7	7731.9	13319.5	19178.4	19866.5	21701.0
67.5°	1844.5	1961.5	2318.4	2933.7	3145.0	4575.5	10335.8	19098.5	22500.4	24419.1
70°	1344.8	1427.6	1727.4	2318.4	2419.8	2545.4	6261.5	16234.7	22443.3	25141.5
72.5°	996.5	1053.6	1254.9	1798.8	1958.7	1718.8	3099.3	11799.1	19285.5	22740.3
75°	720.9	763.8	912.2	1376.2	1567.5	1309.1	1546.1	6895.3	13452.3	15996.3
77.5°	551.1	583.9	681.0	1007.9	1254.9	982.2	959.3	3172.1	6378.5	6409.9
80°	442.6	464.0	516.8	709.5	962.2	735.2	625.3	1280.6	2015.8	1706.0
82.5°	325.5	361.2	436.8	498.2	688.1	506.8	381.2	646.7	766.6	659.6
85°	185.6	209.9	264.1	356.9	439.7	309.8	218.4	286.9	356.9	292.7
87.5°	65.7	85.7	92.8	139.9	191.3	128.5	84.2	82.8	117.1	87.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3944.5	0°	3944.5	3944.5	3944.5	3944.5	3944.5	3944.5	3944.5	3944.5	3944.5	3944.5
3987.3	2.5°	3973.0	3965.9	3937.3	3898.8	3858.8	3820.3	3807.4	3780.3	3761.7	3751.7
4080.1	5°	4053.0	4030.1	3963.0	3877.4	3787.4	3690.3	3621.8	3559.0	3513.3	3470.5
4207.1	7.5°	4167.2	4127.2	4011.6	3861.7	3701.8	3540.5	3420.5	3329.2	3267.8	3227.8
4355.6	10°	4299.9	4238.5	4061.5	3837.4	3590.4	3359.1	3217.8	3139.3	3100.8	3079.3
4525.5	12.5°	4452.7	4365.6	4112.9	3781.7	3420.5	3156.4	3059.3	3036.5	3037.9	3039.4
4739.6	15°	4641.1	4519.8	4154.3	3660.4	3199.3	3000.8	2983.7	3020.8	3059.3	3077.9
4982.3	17.5°	4853.8	4682.5	4161.5	3460.5	2982.3	2900.9	2955.1	3035.1	3093.6	3119.3
5253.6	20°	5082.3	4848.1	4110.1	3177.8	2803.8	2819.5	2916.6	3019.4	3083.6	3116.5
5563.4	22.5°	5343.5	5025.2	3987.3	2880.9	2658.2	2731.0	2845.2	2945.1	3012.2	3045.1
5927.4	25°	5641.9	5223.6	3794.6	2631.1	2532.6	2631.1	2745.3	2828.1	2882.3	2912.3
6334.3	27.5°	5973.1	5430.6	3537.6	2432.6	2422.6	2528.3	2622.5	2686.7	2715.3	2738.1
6766.8	30°	6305.7	5619.0	3226.4	2282.7	2327.0	2426.9	2494.0	2522.6	2531.1	2535.4
7249.4	32.5°	6665.5	5781.8	2899.5	2158.5	2235.6	2328.4	2368.4	2381.2	2341.3	2314.1
7834.7	35°	7100.9	5956.0	2579.7	2060.0	2145.7	2225.6	2238.5	2227.1	2179.9	2124.3
8568.5	37.5°	7639.1	6172.9	2324.1	1990.1	2061.5	2114.3	2098.6	2095.7	2100.0	2034.3
9450.7	40°	8298.6	6455.6	2137.1	1935.8	1992.9	2004.4	1960.1	1984.4	2005.8	1905.8
10418.6	42.5°	9031.0	6796.8	2018.6	1898.7	1935.8	1908.7	1840.2	1867.3	1864.4	1733.1
11390.8	45°	9777.6	7168.0	1977.2	1871.6	1883.0	1828.8	1753.1	1760.2	1700.3	1581.8
12323.1	47.5°	10520.0	7566.3	2002.9	1848.7	1817.3	1755.9	1697.4	1666.0	1577.5	1489.0
13216.7	50°	11248.1	7984.6	2097.1	1803.1	1727.4	1691.7	1648.9	1593.2	1499.0	1423.3
14061.9	52.5°	11923.3	8405.7	2202.8	1727.4	1614.6	1636.0	1608.9	1544.7	1451.9	1374.8
14861.3	55°	12562.9	8826.9	2244.2	1623.2	1509.0	1587.5	1571.8	1453.3	1341.9	1279.1
15697.9	57.5°	13259.6	9333.7	2198.5	1490.4	1423.3	1531.8	1471.9	1340.5	1276.3	1229.2
16787.2	60°	14224.6	10128.8	2100.0	1326.2	1341.9	1449.0	1346.2	1292.0	1222.0	1169.2
18420.3	62.5°	15827.8	11612.1	1941.5	1163.5	1246.3	1326.2	1286.3	1232.0	1160.6	1109.2
21212.7	65°	18197.6	13673.6	1643.2	1036.4	1139.2	1206.3	1222.0	1167.8	1093.5	1039.3
23659.6	67.5°	20196.3	14967.0	1243.4	930.8	1029.3	1109.2	1153.5	1100.7	1022.2	969.3
24232.1	70°	20086.4	14027.6	949.4	826.6	932.2	1013.6	1070.7	1029.3	945.1	895.1
22010.8	72.5°	17840.7	11734.9	768.0	720.9	833.7	913.7	982.2	950.8	865.1	816.6
16124.8	75°	13106.8	8330.1	613.9	613.9	710.9	809.5	885.1	865.1	786.6	752.3
6769.7	77.5°	5524.8	3494.8	481.1	509.7	591.0	695.2	789.5	796.6	728.1	770.9
1790.2	80°	1469.0	963.6	366.9	401.2	464.0	573.9	686.7	683.8	609.6	569.6
665.3	82.5°	559.6	379.7	261.3	282.7	335.5	439.7	543.9	561.0	486.8	421.1
261.3	85°	215.6	162.7	161.3	169.9	195.6	291.2	411.1	425.4	366.9	311.2
72.8	87.5°	55.7	48.5	60.0	57.1	89.9	155.6	235.6	244.1	224.1	129.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
3944.5
3763.2
3487.6
3236.4
3085.0
3042.2
3076.5
3125.0
3125.0
3053.6
2920.9
2746.7
2545.4
2322.7
2127.1
2038.6
1908.7
1731.7
1586.1
1489.0
1417.6
1376.2
1273.4
1224.9
1166.4
1109.2
1042.1
970.8
899.4
816.6
742.4
699.5
529.6
421.1
321.2
185.6
0.0

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